

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01384

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl. <sup>7</sup> : C22B 3/08, 3/00, 3/44, 34/12		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) REFER ELECTRONIC DATA BASE CONSULTED		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI, IPC: C22B 3/08, 3/00, 3/44, 34/12 AND LEACH+, LIXIV+, TITAN+, SULF+, SULPH+		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6375923 B (DUYVESTYEN et al.) 23 April 2002 whole document	1-24
A	US 6048505 A (MILLER et al.) 11 April 2000 whole document	1-24
A	US 5277816 A (WATANABE) 11 January 1994 whole document	1-24
A	US 4986742 A (DENECKER et al.) 22 January 1991 whole document	1-24
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search 4 December 2003		Date of mailing of the international search report 15 DEC 2003
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  <b>B. PREMARATNE</b> Telephone No : (02) 6283 2407

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4288416 A (DAVIS et al.) 8 September 1981 whole document	1-24
A	US 4275040 A (DAVIS) 23 June 1981 whole document	1-24
A	US 3067010 A (R. S. LONG et al.) 4 December 1962 whole document	1-24
A	WO 02/48412 A (HIGH-VELD STEEL AND VANADIUM CORPORATION LIMITED) 20 June 2002 whole document	1-24
A	CA 1293356 A (BAYER AKTIENGESELLSCHAFT) 24 December 1991 whole document	1-24

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01384

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US 6375923		AU 19128/01	AU 54886/00	AU 54887/00	
		CA 2375623	CA 2377241	CA 2377261	
		EP 1194378	EP 1194379	EP 1194380	
		US 6440383	US 6548039	WO 0100530	
		WO 0100531	WO 0112555		
US 6048505		AU 67944/98	CA 2323671	EP 1015386	
		WO 9854095	ZA 9805177		
US 5277816		CA 2035085	EP 0440406	JP 3223114	
		JP 4119919			
US 4986742		DE 3524053	EP 0207403	JP 62012616	
		US 4734271			
US 4288416		AU 60677/80	BE 886327	BR 8004975	
		CA 1157230	DE 3030177	ES 8106679	
		FI 802512	FI 830574	FR 2463099	
		GB 2055781	IN 154400	JP 56037220	
		NL 8004490	NO 802349	PL 226166	
		US 4288418	YU 190980	YU 279782	
		ZA 8004803			
US 4275040		AU 64638/80	BE 886430	BR 8007849	
		CA 1150952	DE 3045248	ES 8200406	
		FI 803693	FR 2483465	GB 2076789	
		IN 155138	JP 57011826	KR 8302388	
		NL 8006503	PL 228164	YU 306080	
		ZA 8007482			
US 3067010	NONE				
WO 0248412		AU 62583/01	CA 2431257	EP 1341939	
		ZA 200104774			
CA 1293356		DE 3513120	EP 0197507		
END OF ANNEX					